

Algebra I  
3.1 Practice  
Adding Integers

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Hour: \_\_\_\_\_

Use the given information to complete.

California's coldest temperature is 35 degrees warmer than Alaska's coldest temperature of  $-80^{\circ}\text{F}$ .

Florida's coldest temperature is one degree warmer than  $-3^{\circ}\text{F}$ .

Illinois' coldest temperature is 10 degrees warmer than California's.

If you add Maine's coldest temperature to California's coldest temperature you get  $-93^{\circ}\text{F}$ .

New York's coldest temperature is 28 degrees warmer than Alaska's.

Oklahoma's coldest temperature is 8 degrees warmer than Illinois'.

The sum of Florida's coldest temperature and  $25^{\circ}\text{F}$  equals Texas' coldest temperature.

Alaska's coldest temperature: \_\_\_\_\_ $^{\circ}$

Maine's coldest temperature: \_\_\_\_\_ $^{\circ}$

California's coldest temperature: \_\_\_\_\_ $^{\circ}$

New York's coldest temperature: \_\_\_\_\_ $^{\circ}$

Florida's coldest temperature: \_\_\_\_\_ $^{\circ}$

Oklahoma's coldest temperature: \_\_\_\_\_ $^{\circ}$

Illinois' coldest temperature: \_\_\_\_\_ $^{\circ}$

Texas' coldest temperature: \_\_\_\_\_ $^{\circ}$

■ SKILLS

In 1–10, add.

1.  $-10 + 12 =$  \_\_\_\_\_

2.  $-6 + -3 + -7 =$  \_\_\_\_\_

3.  $61 + -70 =$  \_\_\_\_\_

4.  $\frac{3}{4} + -\frac{1}{2} =$  \_\_\_\_\_

5.  $25 + -13 + 30 =$  \_\_\_\_\_

6.  $-\frac{4}{8} + -\frac{3}{8} =$  \_\_\_\_\_

7.  $9 + -\frac{5}{6} =$  \_\_\_\_\_

8.  $-105 + 65 =$  \_\_\_\_\_

9.  $9.2 + -9 + .8 =$  \_\_\_\_\_

10.  $-42 + 20 =$  \_\_\_\_\_

■ USES

In 11–13, a. what addition is suggested by each situation? b. What is the answer to that addition?

11. A sailboat sailed 12 km directly west from the shore then drifted 7 km directly back towards shore. How far from shore is the boat after drifting?

a. Addition \_\_\_\_\_ b. Answer \_\_\_\_\_

12. Carli's Craft Shop showed losses of \$205 during its first month of operation. The second month the shop showed a profit of \$315. What is the total profit or loss after the first 2 months?

a. Addition \_\_\_\_\_ b. Answer \_\_\_\_\_

13. Jim lost  $2\frac{1}{2}$  pounds one week, gained  $3\frac{1}{4}$  the next, and lost 2 the next. What was his total change in weight after three weeks?

a. Addition \_\_\_\_\_ b. Answer \_\_\_\_\_

+ or -

**Find each sum.** Write the **absolute value of each sum** in the puzzle.

**Across**

- |                     |      |                     |
|---------------------|------|---------------------|
| 1. $56 + 71$        | 127  | 17. $-173 + 24$     |
| 3. $-451 + (-8)$    | -459 | 18. $92 + (-32)$    |
| 5. $53 + (-25)$     |      | 20. $-307 + (-322)$ |
| 6. $-129 + 486$     |      | 22. $604 + (-227)$  |
| 7. $-12 + (-6)$     |      | 24. $-92 + 49$      |
| 9. $203 + (-27)$    |      | 25. $83 + (-69)$    |
| 12. $-281 + (-349)$ |      | 26. $-56 + (-15)$   |
| 14. $27 + 16$       |      | 27. $29 + 13$       |
| 15. $-83 + 107$     |      | 29. $-46 + 33$      |
| 16. $-29 + (-29)$   |      | 30. $56 + (-21)$    |

**Down**

- |                      |                     |
|----------------------|---------------------|
| 1. $846 + 385$       | 16. $-409 + (-107)$ |
| 2. $-96 + 124$       | 17. $-18 + 8$       |
| 3. $-2349 + (-2237)$ | 18. $-902 + 209$    |
| 4. $-39 + (-18)$     | 19. $-18 + (-9)$    |
| 6. $-56 + 25$        | 21. $-104 + (-137)$ |
| 8. $126 + (-930)$    | 22. $516 + (-204)$  |
| 10. $519 + 229$      | 23. $90 + (-164)$   |
| 11. $-18 + (-45)$    | 26. $-53 + (-22)$   |
| 13. $512 + (-183)$   | 27. $69 + (-112)$   |
|                      | 28. $-84 + 69$      |

1	2	7		3	4	5	9
5			6				
			7				8
9	10	11		12	13		
	14				15		
16			17				
		18					19
20	21			22	23		
	24			25			
26			27				28
		29			30		